

## CLAIMS

What is claimed is:

1. A pressure-contact type rectifier comprising:

a cap;

a lead passing through the cap and supported by an elastic member;

a case fittable to the cap;

a rectifying device having electrodes, one of the electrodes contacting an end of the lead and the other electrode contacting the case, and the rectifying device being pressure-fixed by the cap and the case; and

a friction reducer provided on at least one face of the electrodes.

2. A pressure-contact type rectifier as recited in claim 1, wherein the friction reducer is composed of electrically conductive microparticles.

3. A pressure-contact type rectifier as recited in claim 2, wherein the microparticles include at least one of carbon, silver, copper, gold, aluminum, and molybdenum disulfide.

4. A pressure-contact type rectifier as recited in claim 2, wherein the mean diameter of the microparticles is from 0.01  $\mu\text{m}$  to 50  $\mu\text{m}$ .

5. A pressure-contact type rectifier as recited in claim 1, further comprising a soft member inserted into at least either the area of contact between the rectifying device and the lead end and between the rectifying device and the case.

6. A pressure-contact type rectifier as recited in claim 1, wherein a flexible portion is provided in the lead outside the cap and the lead is fixed to the cap.

7. A pressure-contact type rectifier as recited in claim 1, wherein an outer

circumferential face of the cap and an inner circumferential surface of the case are threaded and the rectifying device is pressure-fixed by threadingly engaging the cap with the case.